Tama County, Iowa

and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 		Disposal of wastewater by irrigation	1
	 			Rating class and limiting features			
5B: Ackmore	 50 	Flooding Depth to	11.00	Flooding	1.00 1.00 	Depth to saturated zone	 1.00 1.00 0.08
Colo	 	Depth to saturated zone Leaching limitation	1.00 	Depth to saturated zone Flooding 	1.00 	saturated zone Flooding	1.00
7: Wiota	 95 					 Somewhat limited Too acid 	 0.07
7B: Wiota	 95 				'	 Somewhat limited Too steep for surface application Too acid	 0.08 0.07
8B: Judson	 90 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	 0.08
11B: Colo	1	Depth to saturated zone Leaching limitation	1.00 	Depth to saturated zone Flooding 	1.00	Depth to saturated zone	
Ely	 40 	 Somewhat limited Depth to saturated zone	0.43	-	0.43		1 0.43

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	-	 Application of sewage sludg 	re	Disposal of wastewater by irrigation	1
	 	 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	Value
	 	 	 	 		Too steep for surface application	 0.08
20C2: Killduff	 95 	 Not limited 	 	 Not limited 	 		0.91
20D2: Killduff	 95 		 0.63 	 Somewhat limited Slope 	 0.63 	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 0.77
20D3: Killduff	 95 		 0.63 	 Somewhat limited Slope 	 0.63 		 1.00 0.77
20E2: Killduff	 95 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 1.00
20E3: Killduff	 95 	•	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application	 1.00

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	re	Disposal of wastewater by irrigation 	า
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
		 		 		Too steep for sprinkler application	11.00
24D2: Shelby	 90 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope 	 0.63	surface	 1.00
	 	 Restricted permeability 	 0.30 	Restricted permeability	 0.22 	application Too steep for sprinkler application	 0.77
	 	Too acid 	0.02	Too acid	0.07		0.22
24D3:	1	 	1	 	1	 	
Shelby	90 	 Somewhat limited Slope 	0.63	Somewhat limited Slope 	0.63	 Very limited Too steep for surface application	11.00
	 	Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	0.77
	 	Too acid 	0.02	Too acid	0.07		0.22
24E2:	į		į				İ
Shelby	90	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	11.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application	11.00
	 	 Too acid 	0.02	Too acid 	0.07	Restricted permeability Too acid	0.22
24E3: Shelby	 90 	 Very limited Slope 	 1.00	 Very limited Slope 	 1.00	 Very limited Too steep for surface	 1.00
	 	 Restricted permeability 	 0.30 	Restricted permeability	 0.22 	application Too steep for sprinkler application	 1.00

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg		Disposal of wastewater by irrigation	ı
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
	 	 Too acid 	0.02	 Too acid 	0.07	Restricted permeability Too acid	 0.22 0.07
43: Bremer	 95 	 Very limited Depth to saturated zone Flooding Restricted permeability	1 1.00 1 1	saturated zone Flooding	1.00 1.00	saturated zone	 1.00 0.60 0.22
63D:		 		 		 	
Chelsea	100 	Filtering capacity 	1.00 	capacity 	11.00	surface application	11.00
	 	Leaching limitation Droughty 	0.45 0.23 	İ	İ	Filtering capacity Too steep for sprinkler	1.00 0.39
	 	 Slope 	 0.16 	 	 	application Droughty 	10.23
63F: Chelsea	 100 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application	1 1.00
		Filtering capacity	11.00	Filtering capacity	1.00		11.00
		Droughty	0.50	Droughty	0.50		11.00
		Leaching limitation	0.45	 	 	Droughty	0.50
65D2: Lindley	 100 	 Somewhat limited Slope	0.63	 Somewhat limited Slope	0.63	surface	11.00
		 Restricted permeability	0.30	 Too acid 	0.31	application Too steep for sprinkler application	0.77
		 Too acid 	0.08	Restricted permeability	0.22	Too acid	0.31

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	re	Disposal of wastewater by irrigation 	1
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
		 	 	 		Restricted permeability	 0.22
65E2:		l				I	1
Lindley	95 	Very limited Slope 	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	11.00
	 	Restricted permeability 	0.30	Too acid 	0.31	Too steep for sprinkler application	11.00
	 	Too acid 	0.08 	Restricted permeability	0.22 	Too acid 	0.31
	 	 		1		Restricted permeability	0.22
65E3:		 		I I		 	
Lindley	95 	Very limited Slope 	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	11.00
	 	Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	1.00
	i i	 Too acid 	0.08	Restricted permeability	0.22		0.31
	 	 	 			Restricted permeability	0.22
65F: Lindley	 95	 Verv limited	i i	 Very limited	i i	 Very limited	İ
,		Slope	11.00	-	11.00	Too steep for surface application	1.00
		Restricted permeability	0.30	Too acid	0.31	Too steep for sprinkler application	11.00
		 Too acid 	0.08	Restricted permeability	0.22		0.31
	 	 	 		 	Restricted permeability	0.22
65F2: Lindley	 95	 Very limited	 	 Very limited	 	' Very limited	İ
		Slope	1.00		1.00	· · · · · · · · · · · · · · · · · · ·	11.00

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigation	ı
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Restricted permeability	10.30	 Too acid 	0.31	Too steep for sprinkler application	11.00
	 	Too acid 	0.08	Restricted permeability	0.22	İ	0.31
		 		 		Restricted permeability	10.22
65F3: Lindley	 - 95 	 Very limited Slope 	11.00	 Very limited Slope 	11.00	surface	11.00
	 	 Restricted permeability	0.30	 Too acid 	0.31	application Too steep for sprinkler application	11.00
		 Too acid 	0.08	Restricted permeability	0.22		0.31
		 		 		Restricted permeability	0.22
65G: Lindley	 - 95 	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface	11.00
	 	 Restricted permeability	 0.30 	 Too acid 	 0.31 	application Too steep for sprinkler application	 1.00
	i I	 Too acid 	0.08	Restricted permeability	0.22		0.31
	 	 	 	 	 	Restricted permeability	0.22
83B: Kenyon	 - 95 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	0.08
83C2: Kenyon	 - 95 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	0.91

Tama County, Iowa

and soil name	Pct. of map unit	of manure and food- map processing waste		Application Of sewage sludg		Disposal of wastewater by irrigation	
	 	 Rating class and limiting features 		Rating class and limiting features		 Rating class and limiting features 	Value
	 			 		Too steep for sprinkler application	0.02
88: Nevin	 90 	•	0.43	 Somewhat limited Depth to saturated zone	0.43	 Somewhat limited Depth to saturated zone	0.43
110C: Lamont	 95 	 Very limited Filtering capacity Too acid 	 1.00 1.00 10.02 1 1	capacity		Very limited Filtering capacity Too steep for surface application Too acid Too steep for sprinkler application	 1.00 10.91 10.07 10.02
118: Garwin	 90 1 	=	 1.00 0.70	 Very limited Depth to saturated zone 	 1.00 	 Very limited Depth to saturated zone 	 1.00
119: Muscatine	 90 	 Somewhat limited Depth to Saturated zone Too acid	1 0.43 1 0.02	saturated zone	0.43	saturated zone	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
119B: Muscatine	95 	Depth to saturated zone	0.43	saturated zone	0.43	Somewhat limited Depth to saturated zone Too steep for surface application Too acid	0.43
120: Tama	 95 	 Somewhat limited Too acid 	 0.02	 Somewhat limited Too acid 	 0.07	 Somewhat limited Too acid 	 0.07

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludg	ge .	Disposal of wastewater by irrigation	1
		Rating class and limiting features		Rating class and limiting features			Value
120B: Tama	 - 100 		1 1 1 1 0 . 02	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid	 0.08 0.07
120B2: Tama	 - 100 	'	 0.02 	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid	 0.08 0.07
120C: Tama	 - 100 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	0.07		 0.91
120C2: Tama	 - 100 	 Somewhat limited Too acid 	 1 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
120C3: Tama	 - 95 	10011100 111111000	 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
120D2: Tama	 - 100	 Somewhat limited		 Somewhat limited	 	 Very limited	

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Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	е	Disposal of wastewater by irrigation 	
		Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Slope 	0.63	 Slope 	10.63	Too steep for surface application	11.00
	 	Too acid 	0.02	Too acid	0.07	Too steep for sprinkler application Too acid	0.77 0.07
				1		100 acid	10.07
120D3: Tama	 95 	 Somewhat limited Slope 	0.63	 Somewhat limited Slope 		 Very limited Too steep for surface application	1 1.00
	 	 Too acid 	0.02	 Too acid 	0.07	Too steep for sprinkler application Too acid	 0.77 0.07
120E2:]]	 	 	I
Tama	95 	Very limited Slope 	11.00	Very limited Slope 	11.00	 Very limited Too steep for surface application	11.00
	 	 Too acid 	0.02	Too acid 	0.07 	Too steep for sprinkler application Too acid	11.00
122:		 		1		 	
Sperry	95 	Very limited Restricted	11.00	· <u>*</u>	11.00	•	11.00
	 	permeability Depth to saturated zone Leaching limitation	 1.00 0.50	saturated zone Restricted permeability 	 1.00 	saturated zone Restricted permeability 	11.00
133: Colo	 90 	 Very limited Depth to saturated zone	1 1.00	 Very limited Depth to saturated zone		 Very limited Depth to saturated zone	 1.00
	 	Leaching limitation Flooding	0.70		1.00		0.60
133+: Colo	 95	 Very limited		 Very limited		 Very limited	

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg	e	Disposal of wastewater by irrigation 	
		Rating class and limiting features		Rating class and limiting features		-	Value
	- 	Depth to saturated zone Leaching limitation Flooding	11.00	Flooding	11.00	saturated zone	 1.00 0.60
134: Zook	 - 100 		11.00	saturated zone Flooding Restricted permeability	11.00	permeability	11.00
162B: Downs	 - 100 	limitation Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 	 - Somewhat limited Too steep for surface application Too acid	 0.08 0.07
162C: Downs	 - 100 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	 0.91 0.07 0.02
162C2: Downs	 - 100 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 	Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	 0.91 0.07 0.02
162D: Downs	 - 100	 Somewhat limited	 	 Somewhat limited	 	 Very limited	

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and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg	e	Disposal of wastewater by irrigatior 	ı
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Slope 	0.63	Slope	10.63	surface	11.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	 0.77 0.07
162D2:			į	į			
	 100 	 Somewhat limited Slope 	0.63	Somewhat limited Slope	0.63	 Very limited Too steep for surface application	11.00
	 	 Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application	0.77
	 	 	 	 		Too acid 	0.07
162D3: Downs	 100 	 Somewhat limited Slope 	10.63	 Somewhat limited Slope	 0.63	 Very limited Too steep for surface	1 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application	 0.77
	 	 	i i	 	İ	Too acid	0.07
162E2:	1	 	į	177		 	
Downs	 	Very limited Slope 	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	11.00
	 	 Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application	11.00
] 	 	Too acid 	0.07
162E3: Downs	100	 Very limited Slope	1 1.00	 Very limited Slope	11.00	-	11.00
	 	 Too acid	10.02	 Too acid	1 0.07		1 1.00
	 	 	 	 	 	sprinkler application Too acid	 0.07

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Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg		Disposal of wastewater by irrigation 	
	 	Rating class and limiting features		Rating class and limiting features			
162F: Downs	95	 Very limited Slope	1 1.00	 Very limited Slope	1 1.00	 	
	 	 Too acid 	0.02	 Too acid 	 0.07 	Too steep for Too steep for sprinkler application Too acid	1.00
162F2: Downs	95	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	11.00
	 	Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application Too acid	1.00
162F3: Downs	95	 Very limited Slope	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	11.00
		Too acid	0.02	Too acid	0.07		11.00
163B: Fayette	95		10.02		0.07	 Somewhat limited Too steep for surface application Too acid	10.08
163C: Fayette	1 100	 Somewhat limited Too acid 	1 1 1 0 . 02	 Somewhat limited Too acid 			 0.91 0.07 0.02

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Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg	re	Disposal of wastewater by irrigation 	
	 	Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	Value
163C2: Fayette	 100 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
163D: Fayette	 90 	 Somewhat limited Slope 	0.63	 Somewhat limited Slope	10.63	surface	1 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	 0.77 0.07
163D2: Fayette	 - 90 -	 Somewhat limited Slope 	0.63	 Somewhat limited Slope	0.63	surface	1 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	 0.77 0.07
163D3: Fayette	 90 	 Somewhat limited Slope 	 0.63	 Somewhat limited Slope	 0.63	 Very limited Too steep for surface	 1.00
		 Too acid 	0.02	Too acid	0.07	sprinkler	 0.77
163E:	 	 	 	Low adsorption 	0.01	application Too acid 	0.07
Fayette	90	 Very limited Slope 	11.00	Very limited Slope	11.00	surface	11.00
	 	 Too acid 	0.02	 Too acid 	 0.07 	application Too steep for sprinkler application	1.00

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Map symbol and soil name	 Pct. of map unit	manure and food- processing waste		Application of sewage sludge 		Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
16200						 Too acid	10.07
163E2: Fayette	- 90 	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	1 1.00
	 	Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application Too acid	1.00 0.07
163E3: Fayette	 - 95 	 Very limited Slope 	1 1.00	 Very limited Slope 		surface	1 1 1 1 1 1 1 1 1 1
		 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application	11.00
163F:		 	 	Low adsorption	0.01	Too acid	0.07
Fayette	- 90 	 Very limited Slope 	11.00	 Very limited Slope 	11.00	 Very limited Too steep for surface application	11.00
	 	Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application	11.00
163F2:	 	 	 	 	 	Too acid 	0.07
Fayette	- 95 	Very limited Slope 	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	11.00
		 Too acid 	0.02	 Too acid 	0.07	application Too steep for sprinkler application Too acid	11.00
163F3: Fayette	 - 95 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application	 1.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 		Disposal of wastewater by irrigation 	
	; ; ;	Rating class and limiting features		Rating class and limiting features			
	 	 Too acid 	10.02	 Too acid 	 0.07 	 Too steep for sprinkler application	11.00
1636	į	 	į Į	Low adsorption	0.01		0.07
163G: Fayette	 95 	 Very limited Slope 	11.00	 Very limited Slope 	1 1.00	 Very limited Too steep for surface application	1 1.00
		 Too acid 	0.02	Too acid	0.07		1.00 0.07
164: Traer	 100	 Verv limited	 	 	 	100 deld Very limited	
		Restricted permeability Depth to saturated zone Leaching limitation Too acid		Depth to saturated zone Restricted permeability Too acid		Depth to saturated zone Restricted permeability	1.00 1.00 0.31
174B: Bolan	 100 	 Very limited Filtering capacity 	 1.00 	 Very limited Filtering capacity 	 1.00 	 Very limited Filtering capacity Too steep for surface application	 1.00 0.08
174C: Bolan	 100 	·	 1.00 1 1 1 1	 Very limited Filtering capacity 	11.00		11.00
175B: Dickinson	100 	 Very limited Filtering capacity	11.00	 Very limited Filtering capacity	11.00	 Very limited Filtering capacity	1 1.00

Tama County, Iowa

and soil name	Pct. of map unit	manure and food- processing waste		Application Of sewage sludg Of sewage sludg	е	Disposal of wastewater by irrigation	
į		Rating class and limiting features	Value 	Rating class and limiting features		Rating class and limiting features	Value
			 	 	 	Too steep for surface application	 0.08
175C: Dickinson 1	100	_	 1.00 	 Very limited Filtering capacity 	 1.00 	 Very limited Filtering capacity Too steep for surface application Too steep for sprinkler application	 1.00 0.91 0.02
179D2: Gara	95	Somewhat limited	 	 	 	 - Very limited	
			0.63 0.30 	Slope	0.63 0.22 	-	1.00 0.77 0.22
179D3: Gara 1	100 	Somewhat limited Slope	 0.63 	 Somewhat limited Slope 	 0.63	surface	 1.00
		Restricted permeability	 0.30 	Restricted permeability 	 0.22 	application Too steep for sprinkler application Restricted permeability	 0.77 0.22
179E2:	95	Very limited Slope	 1.00 	 Very limited Slope 	11.00	 Very limited Too steep for surface application	1 1.00
		Restricted permeability	0.30 	Restricted permeability l	0.22 	Too steep for sprinkler application Restricted permeability	1.00

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Map symbol and soil name	of map	Pct. Application of of manure and food- map processing waste unit		Application of sewage sludg		Disposal of wastewater by irrigation 	
	 	Rating class and limiting features		Rating class and limiting features			
179E3: Gara	 - 95 	 		 	1.00 	 	 1.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	1.00
179F2: Gara	 - 95 	 Very limited Slope 	11.00	 Very limited Slope 		 Very limited Too steep for surface application	11.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for	11.00
179F3: Gara	 - 95 	 Very limited Slope 	 1.00	 Very limited Slope 	 1.00	 Very limited Too steep for surface application	11.00
		Restricted permeability	0.30	Restricted permeability	0.22	Too steep for sprinkler application Restricted permeability	11.00
	 - 90 	 Somewhat limited Flooding 		 Very limited Flooding 		 Somewhat limited Flooding 	 0.60
222D2: Clarinda	 - 95 	 Very limited Restricted permeability Depth to saturated zone	1.00 	 Very limited Restricted permeability Depth to saturated zone	1.00 1.00	 Very limited Restricted permeability Too steep for surface application	 1.00 1.00
	 	Slope 	0.63	Slope	10.63	Depth to saturated zone	11.00

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Map symbol and soil name	of map	Pct. Application of of manure and food map processing was unit		Application of sewage sludg	ie	Disposal of wastewater by irrigation	1
				Rating class and limiting features			
	 	 Runoff limitation	 	 	 0.07 	sprinkler application	 0.77
	I	Too acid	0.02		1	Too acid	10.07
226: Lawler	 100 	Filtering capacity	11.00	Filtering capacity	1.00 0.43	 Very limited Filtering capacity Depth to saturated zone	11.00
269: Humeston	 100 	Restricted permeability Depth to saturated zone Leaching limitation	11.00	permeability Depth to saturated zone Too acid	1.00 1.00		 1.00 1.00 0.07
291: Atterberry	 95 	•	11.00	 Very limited Depth to saturated zone	11.00	 Very limited Depth to saturated zone	 1.00
293D: Chelsea	 50 	Filtering capacity	1.00 	 Very limited Filtering capacity Slope	1.00 	 Very limited Too steep for surface application Filtering	 1.00 1.00
		Leaching limitation	0.45	 Droughty	10.23	capacity Too steep for	10.77
	 	 Droughty	 0.23 0.02	 Too acid 	 0.07 	sprinkler application Droughty Too acid	 0.23 0.07
Lamont	30 	 Very limited Filtering capacity 		 Very limited Filtering capacity		 Very limited Too steep for surface application	1 1.00
		 Slope 	0.63	Slope		application Filtering capacity	11.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	Application Of sewage sludg		Disposal of wastewater by irrigation	ı	
				Rating class and limiting features		-	
	 	 Too acid 	10.02	 Too acid 	 0.07 	Too steep for sprinkler application Too acid	 0.77 0.07
293D2:	i		i	I	i	I	i
Chelsea	50 	 Very limited Filtering capacity	11.00	Very limited Filtering capacity		Very limited Too steep for surface application	11.00
	į	Slope 	0.63	Slope	0.63	Filtering capacity	1.00
	i I	Leaching limitation	0.45	Droughty	0.23	Too steep for sprinkler application	0.77
	į		0.23	Too acid	0.07	Droughty Too acid	0.23
Lamont	30 			 Very limited Filtering capacity	11.00	 Very limited Too steep for surface application	11.00
		 Slope 	0.63	Slope	0.63	Filtering capacity	11.00
		 Too acid 	0.02	Too acid 	0.07	Too steep for sprinkler application	0.77
	i I	 	i I	i I	i I	Too acid	0.07
293E:			Į.		1	<u> </u>	1
Chelsea	50 			Very limited Slope 	11.00	Very limited Too steep for surface application	11.00
	i i	Filtering capacity 	1.00	Filtering capacity 	11.00	Too steep for sprinkler application	11.00
	İ	Leaching Ilimitation	0.45	Droughty	0.23	Filtering capacity	11.00
	 	Droughty Too acid	0.23		0.07	Droughty Too acid	10.23
Lamont	30 	· =		 Very limited Slope 		 Very limited Too steep for surface application	1 1.00

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and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg	e	Disposal of wastewater by irrigation 		
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Filtering capacity	1.00	 Filtering capacity	11.00	 Too steep for sprinkler application	1.00
	 	Too acid	0.02	Too acid	0.07	Filtering capacity Too acid	11.00
293E2:	 	 	 	 		100 acid 	
Chelsea	50 	Very limited Slope 	 1.00 	Very limited Slope 	11.00	Very limited Too steep for surface application	 1.00
	 	Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	11.00
	 	 Leaching limitation	0.45	Droughty 	0.23	application Filtering capacity	11.00
	 	Droughty Too acid	0.23	Too acid 	0.07	Droughty Too acid	10.23
Lamont	30 	 Very limited Slope 	11.00	Very limited Slope 	11.00	surface	11.00
	 	 Filtering capacity 	 1.00 	Filtering capacity 	11.00	application Too steep for sprinkler application	 1.00
	 	Too acid 	0.02 	Too acid 	0.07 	Filtering capacity Too acid	1.00 0.07
293F:	 			 	<u> </u> 		
Chelsea	50 	•	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	 1.00
	 	Filtering capacity 	11.00	Filtering capacity 	1.00 	Too steep for sprinkler application	11.00
	 	Leaching limitation Droughty	0.45 0.23	Droughty Too acid	0.23 0.07	Filtering capacity Droughty	1.00 0.23
	 	Too acid 	10.23			Too acid 	0.23 0.07
Lamont	30 	Very limited Slope 	 1.00 	Very limited Slope 	11.00	Very limited Too steep for surface application	 1.00

Tama County, Iowa

and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg	re	Disposal of wastewater by irrigation	n	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	 Filtering capacity	11.00	 Filtering capacity	11.00	 Too steep for sprinkler application	 1.00
	 	Too acid	0.02	Too acid	0.07	Filtering capacity Too acid	11.00
293F2:	 	 	 	 		100 acid 	
Chelsea	50 	Very limited Slope 	 1.00 	Very limited Slope 	11.00	Very limited Too steep for surface application	 1.00
	 	Filtering capacity	1.00	Filtering capacity	1.00	Too steep for sprinkler application	1.00
	 	 Leaching limitation	0.45	Droughty 	0.23	Filtering capacity	11.00
	 	Droughty Too acid	0.23	Too acid 	0.07	Droughty Too acid	10.23
Lamont	30 	 Very limited Slope 	11.00	Very limited Slope 	11.00	surface	11.00
	 	 Filtering capacity 	11.00	Filtering capacity 	11.00	application Too steep for sprinkler application	11.00
	 	Too acid 	0.02	Too acid	0.07	Filtering capacity Too acid	11.00
293G:	 					 	
Chelsea	45 	-	11.00	Very limited Slope 	11.00	Very limited Too steep for surface application	11.00
	 	Filtering capacity 	11.00	Filtering capacity 	11.00	Too steep for sprinkler application	11.00
	 	Leaching limitation	0.45	Droughty Too acid	0.23	capacity	11.00
	 	Droughty Too acid 	0.23 0.02 	100 acid 	0.07 	Droughty Too acid 	0.23 0.07
Lamont	30 	Very limited Slope 	 1.00 	Very limited Slope 	 1.00 	Very limited Too steep for surface application	 1.00

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	Application of sewage sludg 	е	Disposal of wastewater by irrigation	1	
				Rating class and limiting features			Value
	 	 Filtering capacity	1.00	 Filtering capacity	1.00	·	11.00
		 Too acid 	0.02	Too acid 	0.07	Filtering capacity Too acid	11.00
350: Waukegan	 100 			 Very limited Filtering capacity		 Very limited Filtering capacity	1 1.00
350B: Waukegan				 Very limited Filtering capacity 		 Very limited Filtering capacity Too steep for surface application	1.00
350C: Waukegan	 100 	=		 Very limited Filtering capacity 			 1.00 1.00 0.91 1 10.02
354: Aquolls	 100 	 Not rated 	 	 Not rated 	 	 Not rated 	
377B: Dinsdale	100 		 0.02	 Somewhat limited Too acid 	 0.07	 Somewhat limited Too steep for surface application Too acid	0.08
377B2: Dinsdale	 100	 Somewhat limited	 	 Somewhat limited	 	 Somewhat limited	

Tama County, Iowa

and soil name	Pct. of map unit	manure and food processing was	_	Application of sewage sludg 	re	Disposal of wastewater by irrigatior 	ì
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
	 	Too acid	0.02	Too acid	0.07	Too steep for surface application Too acid	 0.08 0.07
377C: Dinsdale	 100 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
377C2: Dinsdale	 90 	 Somewhat limited Too acid 	 0.02 	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
377D2: Dinsdale	 90 	 Somewhat limited Slope 	0.63	 Somewhat limited Slope 	0.63	surface	 1.00
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	 0.77 0.07
377D3: Dinsdale	 95 	 Somewhat limited Slope Too acid 	 0.63 0.02	 	 0.63 0.07	surface application	 1.00 0.77 0.07
420B: Tama	 100	 Somewhat limited		 Somewhat limited	 	 Somewhat limited	

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Map symbol and soil name	Pct. of map unit	manure and food processing was	_	Application Of sewage sludg	e	Disposal of wastewater by irrigation	1
		Rating class and limiting features		Rating class and limiting features			Value
	 	 Too acid 	10.02	 Too acid 	 0.07 	Too steep for surface application Too acid	 0.08 0.07
420C: Tama	 - 100 	 Somewhat limited Too acid 	 1 0.02 1 1 1	 Somewhat limited Too acid 	 0.07 		 0.91 0.07 0.02
424E2: Lindley	 - 70 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application	 1.00
		Restricted permeability 	0.30	Too acid 	0.31		11.00
		Too acid 	0.08	Restricted permeability	0.22 	Too acid Restricted permeability	0.31 0.22
Keswick	 - 30 	 Very limited Restricted permeability		 Very limited Restricted permeability	11.00	 Very limited Too steep for surface	11.00
		 Slope 	11.00	 Slope 	11.00	application Too steep for sprinkler application	11.00
			11.00	saturated zone	1.00	Restricted permeability Depth to	1.00 1.00
42452.		 		 		saturated zone Too acid 	 0.31
424F2: Lindley	1 - 70 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 	 Very limited Too steep for surface application	 1.00

Tama County, Iowa

Map symbol and soil name	Pct. of map unit	manure and food processing was	l-	Application of sewage sludg			ter	
		Rating class and limiting features 		Rating class and limiting features				
	 	 Restricted permeability	10.30	 Too acid 	0.31	 Too steep for sprinkler application	11.00	
	 	Too acid 	0.08 	Restricted permeability	0.22 	l	0.31 	
		 		 		Restricted permeability	10.22	
Keswick	- 30	 Very limited		Very limited		 Very limited	1	
		Slope 	11.00	Slope 	11.00	surface	1.00	
	 	 Restricted permeability 	11.00	Restricted permeability	11.00	· •	11.00	
	i	Depth to	11.00	· •	11.00	Restricted	11.00	
		saturated zone Too acid	10.08	saturated zone Too acid	 0.31	permeability Depth to	11.00	
	 	 		 		saturated zone Too acid	0.31	
424F3: Lindley	 - 70	 Vary limited		 Very limited		 Very limited		
Bindiey	/0 	Slope	11.00	-	11.00	_	11.00	
	i I	Restricted permeability	0.30	Too acid	0.31		11.00	
	 	Too acid 	0.08 	Restricted permeability	0.22 	Too acid 	0.31 	
		 		 		Restricted permeability	10.22	
Keswick 	- 30 	 Very limited Slope 	11.00	 Very limited Slope 		 Very limited Too steep for surface	11.00	
		 Restricted permeability	11.00	 Restricted permeability	11.00	application Too steep for sprinkler application	11.00	
		 Depth to saturated zone	1.00	Depth to saturated zone	1.00	Restricted permeability	11.00	
		Too acid	0.08	Too acid	0.31		11.00	

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Map symbol and soil name	Pct. of map unit	manure and food processing was	-	Application Of sewage sludg		Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
428B: Ely	90	 Somewhat limited Depth to saturated zone 	 0.43 	 Somewhat limited Depth to saturated zone 	 0.43 	 Somewhat limited Depth to saturated zone Too steep for surface application	 0.43 0.08
429D2: Downs	 60 		 0.63 	 Somewhat limited Slope	0.63	 Very limited Too steep for surface application	11.00
		 Too acid 	0.02	 Too acid 	0.07		0.77
Lamont	 30 			 Very limited Filtering capacity 	11.00	 Very limited Too steep for surface application	11.00
	į	Slope	0.63	Slope	0.63	Filtering capacity	11.00
	 	Too acid - -	0.02 	Too acid - -	0.07	• •	0.77
429E2: Downs	 60 	=	11.00	 Very limited Slope	11.00	 Very limited Too steep for surface	11.00
		 Too acid 	0.02	 Too acid 	 0.07 	application Too steep for sprinkler application	11.00
Lamont	30	 Very limited		 Very limited		Too acid Very limited	0.07
	 	Slope 	1.00 	Slope 	1.00 	Too steep for surface application	11.00
	 	Filtering capacity 	1.00 	Filtering capacity 	1.00 	Too steep for sprinkler application	1.00
	 	Too acid 	0.02	Too acid	0.07		11.00

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and soil name	Pct. of map unit	of manure and food map processing was		Application of sewage sludg	e	Disposal of wastewater by irrigatior	on		
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value		
		 		 	 	 Too acid	10.07		
429E3: Downs	 60 	 Very limited Slope 	 1.00	 Very limited Slope 	 1.00	surface	 1.00 		
	 	 Too acid 	 0.02 	 Too acid 	 0.07 	application Too steep for sprinkler application Too acid	 1.00 0.07		
Lamont 	 30 	 Very limited Slope 	1 1.00	 Very limited Slope 	11.00	 Very limited Too steep for surface	1 1.00		
	 	 Filtering capacity	11.00	Filtering capacity	11.00	sprinkler	11.00		
	 	 Too acid 	0.02	 Too acid 	 0.07 	application Filtering capacity Too acid	1.00 0.07		
429F2:	 60	 Very limited		 - -		 -			
DOWNS	00 	Slope	1.00	Very limited Slope 	11.00	Very limited Too steep for surface application	11.00		
	 	Too acid 	0.02	Too acid	0.07	= =	11.00		
	 	I I	 	I I	 	Too acid 	0.07 		
Lamont	30	Very limited Slope 	11.00	Very limited Slope 	11.00	surface	11.00		
	 	 Filtering capacity	11.00	 Filtering capacity	11.00	sprinkler	11.00		
	 	 Too acid 	0.02	 Too acid 	0.07	application Filtering capacity Too acid	 1.00 0.07		
430:	 	 			 	 			
Ackmore	95 	Very limited Depth to saturated zone	11.00	Very limited Flooding 	 1.00 	Very limited Depth to saturated zone	11.00		

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Map symbol and soil name	Pct. of map unit	manure and food processing was	d- of sewage sludge		Disposal of wastewater by irrigation		
	 			Rating class and limiting features			
	 	 Flooding 	 0.60 	 Depth to saturated zone 	 1.00 	 Flooding 	 0.60
430B: Ackmore	 95 	Depth to saturated zone	 1.00 0.60	İ	 1.00 1.00	saturated zone	 1.00 0.60 0.08
462B: Downs	 100		 0.02	 Somewhat limited Too acid	 0.07	surface application Somewhat limited Too steep for	 0.08
		 	 	 	 	surface application Too acid 	 0.07
462C: Downs	 100 	•	 0.02 	 Somewhat limited Too acid 	 0.07 	 Somewhat limited Too steep for surface application Too acid Too steep for sprinkler application	 0.91 0.07 0.02
478G: Emeline	 60 	Slope Depth to bedrock	1.00 1.00 1.00	Droughty Depth to bedrock Slope 	1.00	Depth to bedrock Too steep for surface application	 1.00 1.00 1.00 1.00
Rock Outcrop	 40 	 Not rated 	 	 Not rated 	 	 Not rated 	

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and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludg 	е	Disposal of wastewater by irrigation	
	 	 Rating class and limiting features 		Rating class and limiting features			
484: Lawson	 95 	Depth to saturated zone	1 1.00 1 1.00 1	İ	1 1.00	saturated zone	11.00
485: Spillville	 95 		0.60	 Very limited Flooding	1.00	 Somewhat limited Flooding	 0.60
673D2: Timula	 100 		 0.63 	 Somewhat limited Slope 	 0.63 		11.00
673D3: Timula	 100 		 0.63 	 Somewhat limited Slope 	 0.63 		 1.00 0.77
673E2: Timula	 95 		 1.00 	 Very limited Slope 	 1.00 		1.00
673E3: Timula	95 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 		1.00

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and soil name	 Pct. of map unit	manure and food processing was	d- of sewage sludge		Disposal of wastewater by irrigation		
	 	 Rating class and limiting features 		Rating class and limiting features			
673F2: Timula	 95 	=	 1.00 	 Very limited Slope 	 1.00 1 	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 1.00
673F3: Timula	95 		 1.00 1.00 	 Very limited Slope 	 1.00 1.00 	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 1.00
673G: Timula	 100 	=	 1.00 1.00 1	 Very limited Slope 	 1.00 1.00 1	 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 1.00
683C2: Liscomb	 95 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application Too steep for sprinkler application	 0.91 0.02
683D2: Liscomb						 Very limited Too steep for surface application Too steep for sprinkler application	 1.00 0.77
683D3: Liscomb	95	 Somewhat limited	 	 Somewhat limited	 	 Very limited	

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Map symbol and soil name	Pct. of map unit	manure and food- processing waste		Application of sewage sludg 	re	Disposal of wastewater by irrigation	
	 			Rating class and limiting features			
		 Slope 	 0.63 	 Slope 	0.63	Too steep for surface application Too steep for sprinkler application	 1.00 0.77
683E2: Liscomb	 95 	 Very limited Slope 	 1.00 	 Very limited Slope 	 1.00 		 1.00 1.00
683E3: Liscomb	 100 	· =	 1.00 	 Very limited Slope 	 1.00 		 1.00 1.00
771B: Waubeek	 95 	 Not limited 	 	 Not limited 		 Somewhat limited Too steep for surface application	 0.08
771C: Waubeek	 95 	 Not limited 	 	 Not limited 	 		 0.91 0.02
771C2: Waubeek	 95 	 Not limited 	 	 Not limited 	 	 Somewhat limited Too steep for surface application	 0.91

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and soil name	Pct. of map unit	Application of Application manure and food- of sewage sludge processing waste		Disposal of wastewater by irrigation			
	 			Rating class and limiting features			
	 	 	 	 	 	Too steep for sprinkler application	 0.02
771D2: Waubeek	 95 		 0.63 	 Somewhat limited Slope 			 1.00 0.77
926: Canoe	95		0.43	 Somewhat limited Depth to saturated zone	0.43	 Somewhat limited Depth to saturated zone	0.43
933B: Sawmill	 95 	Depth to saturated zone	11.00	 Very limited Depth to saturated zone Flooding 	11.00	 Very limited Depth to saturated zone Too steep for surface application	11.00
978: Festina	100	 Not limited	 	 Not limited	 	 Not limited	
993E2: Armstrong	50 	Restricted		 Very limited Restricted permeability	1.00 	 Very limited Too steep for surface application	11.00
	 	 Slope 	11.00	Slope 	11.00	Too steep for sprinkler application	11.00
	 	Depth to saturated zone 	1.00 	Depth to saturated zone 	1.00 	Restricted permeability Depth to saturated zone	1.00 1.00
Gara	 50 	·		 Very limited Slope 	11.00	 Very limited Too steep for surface application	 1.00

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Map symbol and soil name	Pct. of map unit	manure and food processing was	-	Application Disposal of of sewage sludge wastewater by irrigation 			ı
	 			Rating class and limiting features			
	 	Restricted permeability I	 0.30 	Restricted permeability	0.22 	Too steep for sprinkler application Restricted permeability	1.00 0.22
993E3: Armstrong	 50 		 1.00 	 Very limited Restricted permeability	 1.00 	 Very limited Too steep for surface application	 1.00
	 	Slope 	1.00	Slope 	1.00		11.00
		Depth to saturated zone 	1.00 	Depth to saturated zone 	1.00 	Restricted permeability Depth to saturated zone	1.00 1.00
Gara	 50 	 Very limited Slope 	1.00	 Very limited Slope 	1 1.00	 Very limited Too steep for surface application	1 1.00
	 	 Restricted permeability 	0.30	Restricted permeability l	0.22 		11.00
1133: Colo	 95 	Depth to saturated zone Flooding	 1.00 1.00 0.70	saturated zone Flooding	 1.00 1.00	saturated zone	 1.00 1.00
1220: Nodaway	 85 	 Very limited Flooding	1.00	 Very limited Flooding		 Very limited Flooding	1 1 1 1 1 1 1 1 1 1
1485: Spillville	 90 	 Very limited Flooding	1 1.00	 Very limited Flooding		 Very limited Flooding	
5010: Pits, Sand And Gravel		 Not rated 		 Not rated 	 	 Not rated 	

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and soil name	Pct. of map unit	of manure and food- map processing waste		Application of sewage sludg	Disposal of wastewater by irrigation	
	 	Rating class and limiting features		Rating class and limiting features	Rating class and limiting features	Value
5030: Pits, Limestone Quarry	 100 	 Not rated 	 	 Not rated 	 Not rated 	
5040: Orthents	 100 	 Not rated 	 	 Not rated 	 Not rated 	
5080: Orthents	 100 	 Not rated 	 	 Not rated 	 Not rated 	